

DEC 14 2004

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	09/683,117	
		Filing Date	November 20, 2001	
		First Named Inventor	FLETCHER, DANIEL A.	
		Group Art Unit	3731	
		Examiner Name	Bul, Vu Q.	
Total Number of Pages in This Submission		15	Attorney Docket Number	STAN-191CIP
<b>ENCLOSURES (check all that apply)</b>				
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group		
<input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final	<input checked="" type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences		
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
<input checked="" type="checkbox"/> Extension of Time Requested	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information		
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter		
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): USPTO Credit Card Form		
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s)			
Remarks				
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>				
Firm or Individual Name	BRET E. FIELD, Reg. No. 37,620			
Signature				
Date	December 13, 2004			
<b>CERTIFICATE OF FACSIMILE TRANSMISSION</b>				
I hereby certify that this correspondence is being facsimile filed under 37 C.F.R. §§ 1.6(d) and 1.8(a)(1)(b) addressed to: 703-872-9306 on this date: December 13, 2004.				
Typed or printed name	Donna Maceda			Date
Signature				December 13, 2004

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032  
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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**163.00****Complete if Known**

Application Number **09/683,117**  
 Filing Date **November 20, 2001**  
 First Named Inventor **FLETCHER, DANIEL A.**  
 Examiner Name **BUI, VY Q**  
 Art Unit **3731**  
 Attorney Docket No. **STAN-191CIP**

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☒ **Credit Card** ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number **50-0815**  
 Deposit Account Name **Bozicevic, Field & Francis, LLP**

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge Any Additional Fee(s) Required under 37 C.F.R. 1.17.☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 700	2001 305	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
35	-23** = 12	x 9.00	= 108.00
Indep. Claims	5	-5** = 0	x =
Multiple Dependent			=

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 44	Independent claims in excess of 3	
1203 300	2203 150	Multiple dependent claim, if not paid	
1204 88	2204 44	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2) \$108.00**

\*\*or number previously paid, if greater; For Reissues, see above.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920	1804 920	Requesting publication of SIR prior to Examination action	
1805 1,840	1805 1,840	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	65.00
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 680	2503 330	Plant issue fee	
1406 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR § 1.128(a))	
1810 760	2810 395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****55.00****SUBMITTED BY**

Name (Print/Type)

Signature

Registration No.  
(Attorney/Agent)**Complete (if applicable)**

Telephone

(650) 832-7770

Date

12/13/2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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**VIA FACSIMILE**

**703 872 9306**

DEC 14 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Fletcher, Daniel A.

Confirmation: 9340

Serial No.: 09/683,117

Group Art Unit: 3731

Filed: November 20, 2001

Examiner: Buy, Vy Q

For: MICROFLUIDIC DEVICES AND  
METHODS FOR PRODUCING  
PULSED MICROFLUIDIC JETS IN A  
LIQUID ENVIRONMENT

Attorney Docket No.: STAN-191CIP

**RESPONSE TO OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants submit the following amendments and remarks in response to the detailed Office Action mailed August 12, 2004, and respectfully request the above-identified application be reconsidered in view of the following amendments and remarks.

12/15/2004 BBONNER 00000012 500815 09683117

01 FC:2202 137.00 DA 163.00 OP  
02 FC:2251 60.00 DA